

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Samuel SCHULER et al.  
Based on : PCT/DE 2004/002554  
Title : ROTARY LEADTHROUGH OF A ROBOT ARM  
  
Docket No. : R.310516  
Customer No. : 02119

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

**PRELIMINARY AMENDMENT**

Sir:

**Amendments to the Specification** begin on page 2 of this paper.

**Amendments to the Claims** are reflected in the listing of claims which begins on page 7 of this paper.

**New Abstract** begins on page 12 of this paper.

**Amendments to the Drawings** begin on page 13 of this paper and include both an attached replacement sheet and an annotated sheet showing changes.

**Remarks** begin on page 14 of this paper.

An **Appendix** including amended drawing figures is attached following page 14 of this paper.